

- 33 -

IMAGE COMPENSATION METHODS AND APPARATUS USING CORRECTION ZONES

ABSTRACT

Image defects are compensated by determining correction values based on an array of predetermined correction values based on display measurements. A correction value for a selected pixel is obtained by horizontal and vertical interpolation using the predetermined correction values. The computed correction values correspond to gain or offset corrections that are applied to input image values by multiplication or addition, respectively. Interpolation is based on predetermined correction values associated with a zone or subzones of a zone, or on an rate of change of an interpolation increment per row or per column.